

# User Guide

## Pro Wireless Programmable Thermostats

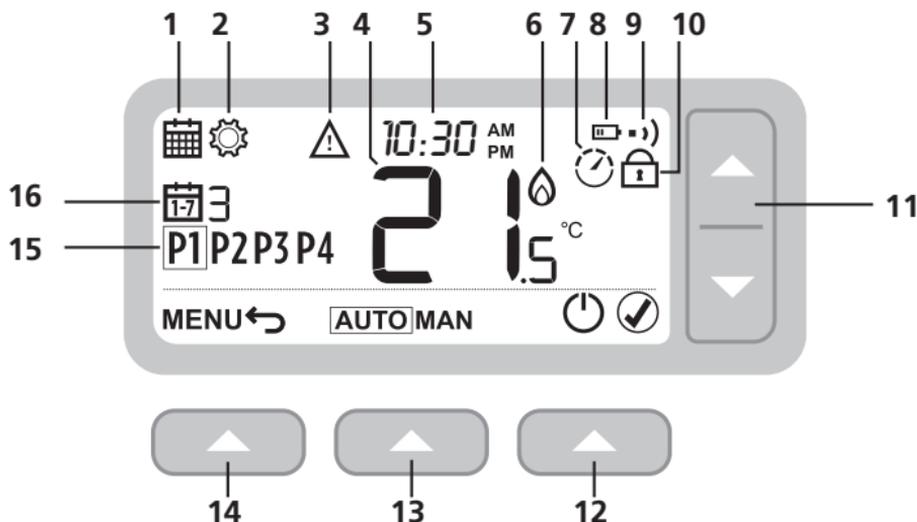


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# 1. Thermostat Interface

## Screen and Button Overview



- |                     |                        |                     |
|---------------------|------------------------|---------------------|
| 1. Programming Menu | 7. Optimisation        | 13. Middle button   |
| 2. Settings Menu    | 8. Low battery         | 14. Left button     |
| 3. Alert            | 9. Wireless signal     | 15. Schedule period |
| 4. Room Temperature | 10. Keypad Locked      | 16. Day             |
| 5. Current time     | 11. Temperature adjust |                     |
| 6. Heat demand      | 12. Right button       |                     |

## Status Icons

 **Temperature Override Active:** Displayed if the programmed temperature has been manually adjusted.

 **Low Battery:** Power has reached approximately 10% (see Changing the Batteries on page 9).

 **Heat Demand:** Room temperature is below setpoint - indicating there is a demand for heating (boiler activity might occur).

 **Optimisation Active:** Only displayed if optimisation has been enabled in the installer settings.

 **Wireless Signal:** Thermostat (Wireless only) is connected to the Receiver Box.

## Menu & Navigation Icons

### MENU Options and settings of your Thermostat:

-  Heating schedule
-  Settings (Date & Time)

 **Back:** Return to the previous screen/menu.

 **Confirm:** Confirm a change or selection.

 **Standby:** Turns the heating on or off.

## 2. Menu

### Heating Schedule

Your Thermostat comes with the following default schedule. Follow the next steps to adjust heating schedule.

		P1	P2	P3	P4
Days 1 to 5 (Mon to Fri)		6:30	8:00	18:00	22:30
		21°C	16°C	21°C	16°C
Days 6 to 7 (Sat to Sun)		6:30	9:00	18:00	23:00
		21°C	18°C	21°C	16°C

### Adjusting the Schedule

1. Press MENU  to enter the main menu.



### Navigating the Menu

Press **MENU**  button to enter the main menu.

Press  or  buttons to select a menu item - the selected item will flash.

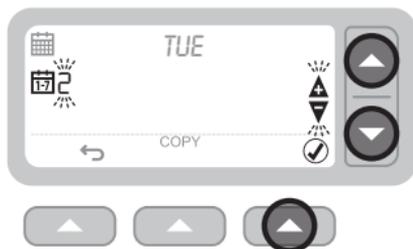
Press   to confirm the selection.

Press  or  to adjust a setting and then press   to save the change and advance to next selection, or press   to go back to previous selection.

2. Press  or  to select the schedule menu  and press  



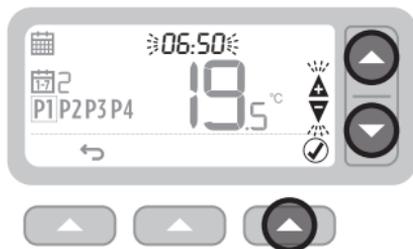
3. Press or to select the day to be adjusted and press



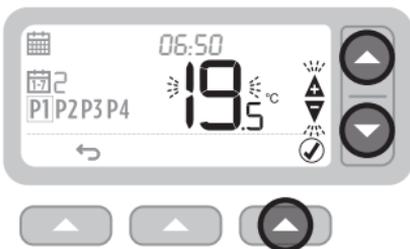
4. Press or to select the period to be adjusted and press



5. Press or to adjust the time and press



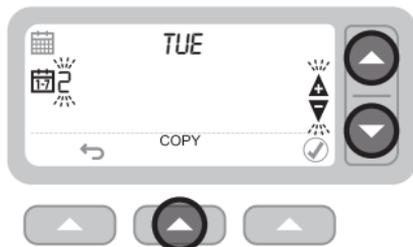
6. Press or to adjust the temperature and press



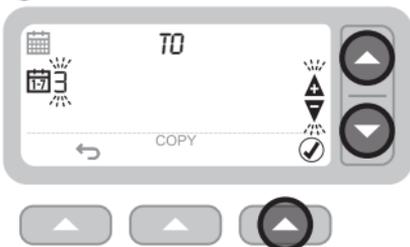
7. Repeat these steps to make adjustments to the remaining periods and days - or press to save changes and return to the home screen.

## Copy Schedule

1. Press or to choose the day you want to copy the schedule from and press **COPY**



2. Press or to choose the day you want to copy the schedule to and press



## Settings (Date & Time)



1. Press MENU to enter the main menu.



3. Press to select YEAR (or to skip forward to MONTH)



5. Press to select MONTH (or to skip forward to DAY)



2. Press or to select the settings menu SET and press .



4. Press or to adjust the YEAR and press .



6. Press or to adjust the MONTH and press .



## Settings (Date & Time)



7. Press to select DAY (or to skip forward to HOUR)



8. Press or to adjust the DAY and press



9. Press to select HOUR (or to skip forward to MINUTE)



10. Press or to adjust the HOUR and press



11. Press to select MINUTE and press



12. Press or to adjust the MINUTE and press

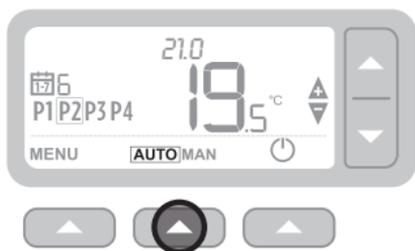


13. Press to exit SETTINGS and return to the home screen

### 3. Devices Modes

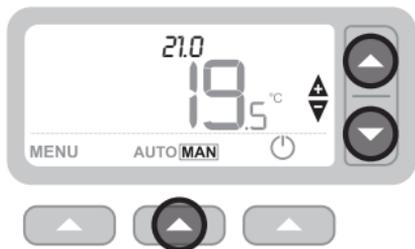
#### Automatic Operation **AUTO**

During normal use your Thermostat will follow the programmed schedule - indicated by the **AUTO** icon.



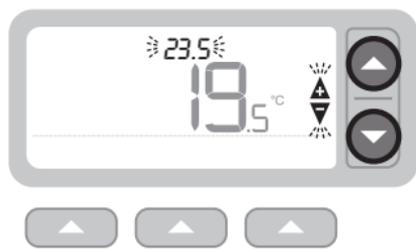
#### Manual Operation **MAN**

The set temperature is followed permanently - indicated by the **MAN** icon.



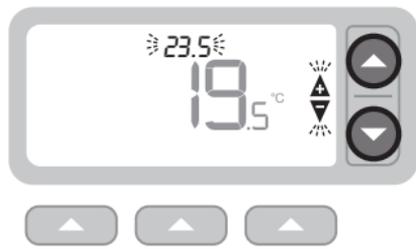
#### Temporary override

Press the  or  set the new desired temperature. The programmed schedule will resume at the next programmed setpoint.



#### Permanent override

Press the  or  buttons to adjust the set temperature. This temperature is set until manually changed again.



## Standby mode (with frost protect)



Save energy by switching the heating off when not required - e.g. during warmer summer months, or when doors and windows are open for extended periods of time. If the temperature drops to 5°C the heating will come on to prevent the heating pipes freezing.

Press  to switch the heating off - the display will show OFF

Press  a gain to switch the heating on - the display will show **AUTO** or **MAN**



## 4. Optimisation

### Optimisation



Your Thermostat has optimisation functions that aim to save energy while maintaining suitable comfort levels. The Thermostat displays  during the optimisation period if set. By default optimisation is disabled, see instructions on installation guide on how to activate it.

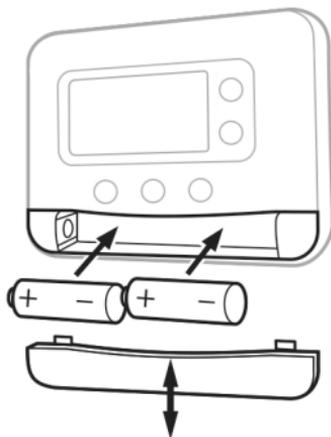
- **Optimum Start** learns how long it takes your home to reach a set temperature and then turns the heating on a bit earlier to achieve that temperature at the programmed time.
- **Optimum Stop** saves energy by switching off a little bit earlier than the programmed time. If your home is up to temperature, you will not notice the effect on the temperature, but you should see a difference in your fuel bill.



## 5. Changing the Batteries

The Thermostat is powered by 2 x AA batteries, although a battery icon is not shown on the display during normal use. The only time you will see the battery icon is when they become low on power.

-  is displayed when battery power has reached approximately 10% - you should be prepared to change them soon.
-  +  will flash when battery power has become critically low - you should change them immediately to make sure there is no disruption to your heating system.
- Replace with 2 new 1.5V LR6 AA Alkaline batteries only - which should last approximately 2 years depending on Thermostat use.



Please help to protect the environment by recycling old batteries in accordance with local regulations.

## 6. Troubleshooting

If you have difficulty with your Thermostat, try these suggestions. Most problems can be corrected quickly and easily.

### All models

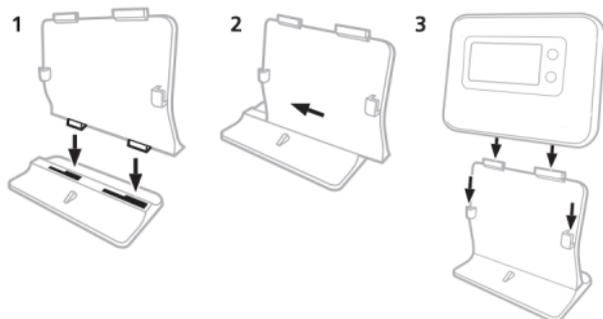
Screen is blank	Replace the batteries. Contact installer.
Thermostat shows 	Batteries have less than 10% power and need to be replaced soon.
Thermostat shows  + 	Batteries are critically low and need to be replaced immediately - see 'Changing the Batteries'.
Thermostat shows  but the boiler does not switch on.	The boiler cycles on and off as it controls the temperature, and sometimes the  icon will be displayed when the boiler has cycled off. If the boiler doesn't switch on after a long period of time contact your installer.
Heating system does not respond to temperature adjustments.	Make sure the set temperature is higher than the actual room temperature. Check the heating system is powered on. Check the Receiver Box is powered and the Thermostat has a wireless signal (RF only).
Thermostat shows  + 	The temperature sensor of your Thermostat is faulty, contact your installer to repair or replace the Thermostat.

### Wireless Thermostat & Receiver Box only

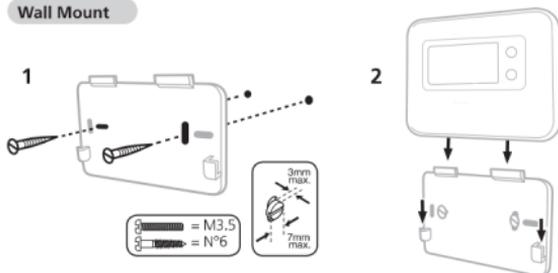
Thermostat is flashing  +  and Receiver Box  LED is flashing RED.	Wireless signal lost - Move the Thermostat to another location to try and restore communication.
Thermostat is flashing  +  and Receiver Box  LED is off.	Check Receiver Box has power by pressing the button to switch boiler on. If Receiver Box has power then no wireless binding data stored - Follow binding procedure in the installation guide or contact your installer.
Receiver Box  LED is flashing RED slowly.	Receiver Box is in binding mode - will time out of this mode after 3 minutes.

## Table Stand and Wall Mount

### Table Stand



### Wall Mount



## Binding / Rebinding

The binding operation described below is required if:

- Any of the system components (Wireless Thermostat or Receiver Box) are replaced.
- The Receiver Box has incorrect or no binding data stored (e.g. when pre-bound system pack components have been mismatched).

**NOTE:** During the binding procedure keep approximately 1m distance between the Wireless Thermostat and the Receiver Box.

1. Press and hold the Receiver Box push button for 15 seconds to reset any previously stored data. After 15 seconds the red LED will change to flashing 0.1sec on/0.9sec off.

**NOTE:** After 5 seconds the red LED will start to flash 0.5sec on/0.5sec off, but continue to hold the button).

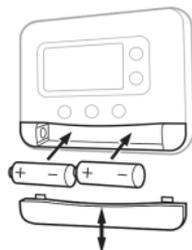
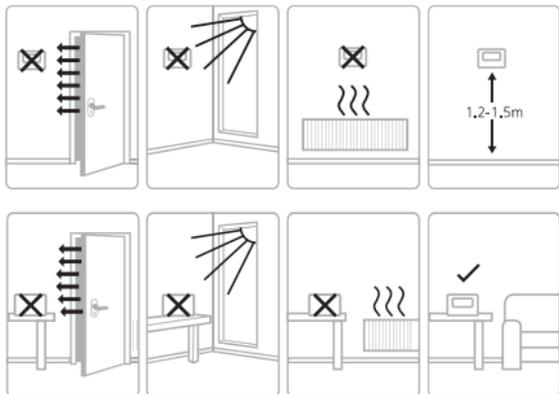
2. Release the push button.
3. Press and hold the Receiver Box push button for 5 seconds to enter the binding mode. The Red LED will start flashing at 0.5sec on/0.5sec off to confirm the binding mode has been entered.
4. On the Wireless Thermostat press and hold MENU  and  for 3 seconds to enter the binding screen with parameter 14A flashing

If 1 is shown then it is already bound to a Receiver Box. If 0 is shown then there are no Receiver Boxes bounded

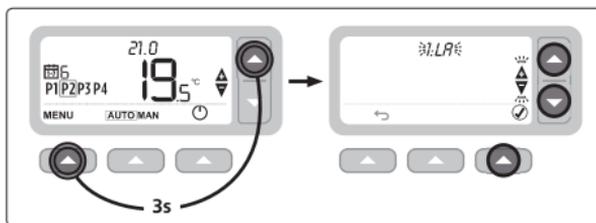
5. To bind to a new Receiver Box, Press   to enter the binding sub menu.
6. Press  or  to scroll to 1 and press   again. After few seconds the binding result will be displayed on the screen with 1 representing successful bind, 0 representing failure.

If successful the red LED on the Receiver Box is switched off to confirm successful binding operation.

## Install the Thermostat



## Parameters



No	Description	Settings
30T	Min. On Time	1-5min
4LL	Lower Limit	5 - 21 °C
5UL	Upper Limit	21 - 35 °C
9LC	Fail Safe	0 = Disabled 1 = Enabled
10BL	Backlight	0 = Disabled 1 = Enabled
11CL	C lock	0 = 24h 1 = 12h
12DS	Daylight Saving	0 = Disabled 1 = Enabled
13TO	Temp. Offset	- 3 / + 3 °C
15SD	Reset Schedule	0 1 = Reset
16FS	Factory Reset	0 1 = Reset
17OP	Optimum Start	0 = Disabled 1 = Optimum Start
18OS	Optimum Stop	0 = Disabled 1 = Enabled